

CALFED Project Name: Cottonwood Creek Geomorphic Analysis Bengard Ranch
Recipient: Graham Matthews & Associates
CALFED Project # 97-N07

Budget Year: 1999
Statement Quarter: 3

Total Estimated Cost of Phase I: \$71,000
Funding from Federal Bay-Delta Account 61,000
Funding provided by private landowner 10,000

Phase I schedule 1 year
Projected Phase II schedule 1 year
Total Project Estimated Completion Date: 2 years

| | | PHASE I (Quarterly Budget) | | | PHASE I (FY '99 Budget) | | | PHASE I (Three Year Budget) | | |
|---|-------------------------------------|-------------------------------|----------------------|-------------|----------------------------|----------------------|----------------------|--------------------------------|----------------------|------------------------|
| | | Budget | Accrued Expenditures | Variance ** | Budget | Accrued Expenditures | Remaining Balance ** | Budget | Accrued Expenditures | Balance to Complete ** |
| Task 1: Geomorphic Analysis | | \$15,200 | \$2,850 | \$12,350 | \$25,367 | \$14,522 | \$10,845 | \$32,000 | \$18,322 | \$13,678 |
| Schedule: FY '98 through FY '99 | | | | | | | | | | |
| Percent Work Complete for Task 57% | | | | | | | | | | |
| 1a | Compile Existing Information | 1,050 | 1,050 | 0 | 1,200 | 1,200 | 0 | 3,000 | 3,000 | 0 |
| 1b | Channel Geometry | 6,150 | 840 | 5,310 ** | 6,667 | 5,288 | 1,379 | 10,000 | 5,788 | 4,212 ** |
| 1c | Hydrologic Analysis | 1,000 | 400 | 600 | 1,500 | 400 | 1,100 | 3,000 | 1,900 | 1,100 |
| 1d | Geomorphc Analysis | 3,000 | 560 | 2,440 | 12,000 | 7,634 | 4,366 | 12,000 | 7,634 | 4,366 |
| 1e | Report Preparation | 4,000 | 0 | 4,000 | 4,000 | 0 | 4,000 | 4,000 | 0 | 4,000 |
| Task 2: Channel / Riparian Restoration Design | | \$13,000 | \$0 | \$13,000 | \$29,000 | \$3,990 | \$25,010 | \$29,000 | \$3,990 | \$25,010 |
| Schedule: FY '98 through FY '00 | | | | | | | | | | |
| Percent Work Complete for Task 14% | | | | | | | | | | |
| 2a | Detailed Site Mapping | 2,000 | 0 | 2,000 | 6,000 | 3,990 | 2,010 | 6,000 | 3,990 | 2,010 |
| 2b | Design Development | 11,000 | 0 | 11,000 ** | 19,000 | 0 | 19,000 | 19,000 | 0 | 19,000 |
| 2c | Project Implementation Coordination | 0 | 0 | 0 | 4,000 | 0 | 4,000 | 4,000 | 0 | 4,000 |
| Phase I Total: | | \$28,200 | \$2,850 | \$25,350 | \$54,367 | \$18,512 | \$35,855 | \$61,000 | \$22,312 | \$38,688 |

We budget to the Sub-task level only if they are active during the Quarter in question. If a subtask is complete, the subtask cost rolls-up into the Task level.

** Please explain significant variance.

** Explanation of Variance in Budget :

Weather and streamflow precluded completion of surveys needed to accomplish these tasks.

QUARTERLY PROGRAMMATIC REPORT

Program Manager Spencer Shepherd Phone 415-778-0999 x 24
 Project Manager Graham Matthews
 CALFED Project # 97-N07
 Quarter Ending 6/30/99

| | | Deliverables | | |
|---------------|------------------------------|--------------|--------------------|---------------------------|
| | Name of Deliverable | Due Date | % of Work Complete | Date Deliverable Complete |
| Task 1 | Final Report* | 03-01-99 | | |
| Subtask 1 | Compile Existing Information | 09-01-98 | 100% | ---- |
| Subtask 2 | Channel Survey | 11-01-98 | 50% | ---- |
| Subtask 3 | Hydrologic Analysis | 10-01-98 | 50% | ---- |
| Subtask 4 | Geomorphic Analysis | 01-01-99 | 65% | ---- |
| Subtask 5 | Final Report Preparation | 03-01-99 | 0% | ---- |

* The only deliverable for this task is the final report describing study methods, data collected, data analysis, and conclusions.

| | | | | |
|---------------|--|----------|-----|------|
| Task 2 | | | | |
| Subtask 1 | Detailed Site Surveying (site maps) | 11-01-98 | 80% | ---- |
| Subtask 2 | Design Development | | 0% | ---- |
| | Construction drawings | 04-15-99 | | |
| | Design memorandum | 04-15-99 | | |
| Subtask 3 | Implementation Coordination (Copies of permits applications) | 06-30-99 | 0% | ---- |

Narrative

1. Description of activities performed during the quarter, by task.

TASK 1:

Sub-Task 1: Compile Existing Information

Previous Reports: We have completed our efforts to acquiring existing information.

Aerial Photographs: We have completed our acquisition of historic aerial photographs, recently obtaining 1952 and 1981 coverages.

Historic Maps: We have obtained old survey maps dating back to the 1870s from BLM and the State Lands Commission.

Historic Surveys: We have obtained historic survey data from CalTrans for the I-5 bridge

Sub-Task 2: Channel Surveys

Flows have only recently dropped to the point that field surveys are again feasible. We are currently scheduling field work in early August. We expect to have all field surveys complete by early September.

Sub-Task 3: Hydrologic Analyses

We continued acquiring hydrologic data, and have just begun hydrologic analyses.

Sub-Task 4: Geomorphic Analyses

We have visited various agencies, museums searching for historic maps and ground photos that would extend the record back beyond the earliest aerial photographs. We have scheduled one week of field work in conjunction with channel surveys to collect substrate data.

TASK 2:

Sub-Task 1: Detailed Site Surveying

No additional work has been completed on this Task.

2. Problems and delays encountered by task.

TASK 1: GEOMORPHIC ANALYSIS

Flows have just, in the last few weeks, dropped to levels that will allow efficient collection of field data, both channel surveys and substrate measurements. All field work will be completed in August and perhaps extend into early September.

3. Other issues or comments.

4. Please identify your projected expenses for each of the next three months in the following quarter to assist in the timing of State bond sales which fund this project.

Month 1 \$ 1,000 Month 2 \$ 7,000 Month 3 \$ 5,000 Total for quarter \$ 13,000